

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Reclamation District No. 2062 Stewart**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.69
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2014 - 05/22/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Michael Moncrief MBK Engineers			
	Paul Gomes			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2062_01_f_2013_2				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2062_01_s_2013_5				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2062_01_s_2013_8				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.31	Rating **	C	Issue No.	21
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.798273 °	37.798273 °
				-121.313638 °	-121.313638 °
DWR ID	DWR_RD2062_01_f_2013_21				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.67	Rating **	M	Issue No.	1
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793521 °	37.793521 °
				-121.315348 °	-121.315348 °
DWR ID	DWR_RD2062_01_s_2014_1				
Action/Comments					
Inspector Comments: FS_ID:22807 EP_NO: 12679 Repair Type: Crossing Status: UCIP Comments: - All 3 pipes on landside looks newPumps, pump house, and pipes removed from watersideLand development activities going on in this area.Needs to confirm from LMA or DWR Inspector about the crossing. FIELD_STRUCT_DESC: 1 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124) FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3227.jpg



WS view: pipes, walkway, and dismantled pumphouse (right).

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.67	Rating **	M	Issue No.	3
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793497 °	37.793497 °
				-121.315339 °	-121.315339 °
DWR ID	DWR_RD2062_01_s _ 2014_3				
Action/Comments					
Inspector Comments: FS_ID:22810					
EP_NO: 12679					
Repair Type:					
Crossing Status:					
UCIP Comments: - All 3 pipes on landside looks new. No pump associated with 8-inch pipe.Pumps, pump house, and pipes removed from waterside.Land development activities going on in this area.Needs to confirm from LMA or DWR Inspector about the crossing.					
FIELD_STRUCT_DESC: 3 of 3: one 8-inch pipe, two 16-inch pipes, and three electric conduits through the levee 8.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. Installed by the United States Army Corps of Engineers, 1961. (App. No. 12679)					
FS Date: 10/22/2013					

No Photos

LM Start	1.67	Rating **	M	Issue No.	4
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793509 °	37.793509 °
				-121.315345 °	-121.315345 °
DWR ID	DWR_RD2062_01_s _ 2014_4				
Action/Comments					
Inspector Comments: FS_ID:22809					
EP_NO: 12679					
Repair Type:					
Crossing Status:					
UCIP Comments: - All 3 pipes on landside looks new,Pumps, pump house, and pipes removed from watersideLand development activities going on in this area.Needs to confirm from LMA or DWR Inspector about the crossing.					
FIELD_STRUCT_DESC: 2 of 3: Two 16-inch steel pipes, one 8-inch steel pipe, and three electric conduits through the levee 5.0 feet below the crown. Two slant pumps in the pump house on the waterward slope. Siphon breakers on the landward slope. (App. No. 16124)					
FS Date: 10/22/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.83	Rating **	M	Issue No.	11
LM End	1.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.791873 °	37.791873 °
				-121.313350 °	-121.313350 °
DWR ID	DWR_RD2062_01_s_2012_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 4 : mkhashch_s_20140428_00623.jpg



10/20/2011 Large burrow located on waterside slope of levee.

LM Start	1.83	Rating **	M	Issue No.	11 (cont)
LM End	1.83	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : mkhashch_s_20140428_00624.jpg



10/20/2011 Large burrow located near crown on waterside slope of

LM Start	1.83	Rating **	M	Issue No.	11 (cont)
LM End	1.83	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : mkhashch_s_20140428_00625.jpg



10/20/2011 Large burrow located on waterside slope of levee.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.83	Rating **	M	Issue No.	11 (cont)	
LM End	1.83	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.791873 °	37.791873 °	
				-121.313350 °	-121.313350 °	
DWR ID	DWR_RD2062_01_s _ 2012_11					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and						

Photo 4 of 4 : mkhashch_s_20140428_00626.jpg



View of large burrow on waterside slope.

LM Start	1.84	Rating **	M	Issue No.	16
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.791887 °	37.791887 °
				-121.313178 °	-121.313178 °
DWR ID	DWR_RD2062_01_s _ 2012_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.85	Rating **	M	Issue No.	12
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.791798 °	37.791798 °
				-121.312904 °	-121.312904 °
DWR ID	DWR_RD2062_01_s _ 2012_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : mkhashch_s_20140527_01055.jpg



View of a rodent hole on the waterside levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	4.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2014 - 05/22/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Michael Moncrief MBK Engineers			
	Paul Gomes RD2062			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.47	Rating **	M	Issue No.	4
LM End	0.47	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.783174 °	37.783174 °
				-121.337861 °	-121.337861 °
DWR ID	DWR_RD2062_02_s _ 2014_4				
Action/Comments					
Inspector Comments: FS_ID:23095					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments:					
FIELD_STRUCT_DESC: Abandoned 36-inch corrugated metal pipe through the levee below ground elevation. Plugged with concrete.					
FS Date: 10/23/2013					

No Photos

LM Start	0.58	Rating **	M	Issue No.	6
LM End	0.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.784380 °	37.784380 °
				-121.338985 °	-121.338985 °
DWR ID	DWR_RD2062_02_s _ 2014_6				
Action/Comments					
Inspector Comments: FS_ID:23110					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Found on field with the help of USACE 2012 PI					
ReportNeeds proper abandonment.					
FIELD_STRUCT_DESC: Abandoned 24-inch steel pipe through the					
levee. Damaged siphon breaker on waterside levee slope. Pump on					
concrete sump on landside. Service pole on landside levee slope.					
Pump was disconnected from service pole.					
FS Date: 10/23/2013					

Photo 1 of 1 : UCIP_3342.jpg



LS view: exposed steel pipe and abandoned pump on levee slope.
Service pole and electric control box (right).

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.77	Rating **	M	Issue No.	7
LM End	0.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786130 °	37.786130 °
				-121.341564 °	-121.341564 °
DWR ID	DWR_RD2062_02_s_2014_7				
Action/Comments					
Inspector Comments: FS_ID:23181					
EP_NO: 12427					
Repair Type:					
Crossing Status:					
UCIP Comments: - no siphon breaker foundevee toe erosion under walkway on waterside.erosion around concrete standpipe on landside- may be base of the standpipe was leaking.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee 4.4 feet below the crown, pump house on the waterward slope, metal walkway from the pump house to the crown. Power pole on waterside. Flap gate and concrete distribution box on the landward slope. (App. No. 12427)					
FS Date: 10/23/2013					

Photo 1 of 1 : UCIP_3363.jpg



WS view: pipe, walkway, service pole, and pumphouse on levee slope.

LM Start	1.40	Rating **	M	Issue No.	16
LM End	1.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.791820 °	37.791820 °
				-121.350447 °	-121.350447 °
DWR ID	DWR_RD2062_02_s_2014_16				
Action/Comments					
Inspector Comments: FS_ID:23062					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: - pumphouse on concrete sump in the channel.					
erosion under walkway on waterside.					
FIELD_STRUCT_DESC: 20-inch pipe through the levee 8 feet below					
the crown. Pump house on the waterward slope and a metal walkway					
from the pump house to the crown. Flap gate, air vent, and concrete					
distribution box on the landward slope.					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3326.jpg



WS view: pipe, walkway, and pumphouse on levee berm. Service pole on waterside.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.67	Rating **	M	Issue No.	21
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794009 °	37.794009 °
				-121.354416 °	-121.354416 °
DWR ID	DWR_RD2062_02_s _ 2014_21				
Action/Comments					
Inspector Comments: FS_ID:23061					
EP_NO: 4305					
Repair Type:					
Crossing Status:					
UCIP Comments: - missing roof in pump house.no protection for siphon breakerhuge erosion under pumphouse and levee slope on waterside.					
FIELD_STRUCT_DESC: 1 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope.					
(App. No. 4305)					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3318.jpg



WS view: pipes, walkway, and pumphouse with missing roof (right).

LM Start	1.67	Rating **	M	Issue No.	22
LM End	1.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.794013 °	37.794013 °
				-121.354434 °	-121.354434 °
DWR ID	DWR_RD2062_02_s _ 2014_22				
Action/Comments					
Inspector Comments: FS_ID:23059					
EP_NO: 4305					
Repair Type:					
Crossing Status:					
UCIP Comments: - missing roof in pump house.no protection for siphon breakerhuge erosion under pumphouse and levee slope on waterside.					
FIELD_STRUCT_DESC: 2 of 2: Two 18-inch pipes through the levee 4.8 feet below the crown. Pump house on the waterward slope. Siphon breaker on the landward shoulder. Power pole on the landward shoulder. Concrete distribution box at the toe of the landward slope. (App. No. 4305)					
FS Date: 10/22/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.04	Rating **	M	Issue No.	12
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.797060 °	37.797060 °
				-121.359929 °	-121.359929 °
DWR ID	DWR_RD2062_02_s _ 2012_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow activity that appears to be active, no rodents seen.					

Photo 1 of 1 : mkhashch_s_20140428_00638.jpg



View of bait next to active burrow on landside slope.

LM Start	2.10	Rating **	M	Issue No.	18
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.797558 °	37.797558 °
				-121.360815 °	-121.360815 °
DWR ID	DWR_RD2062_02_s _ 2012_18				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Multiple large burrows, appears to be active.					

Photo 1 of 3 : mkhashch_s_20140428_00642.jpg



10/20/2011 Photo shows single large burrow, which appears to be active.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.10	Rating **	M	Issue No.	18 (cont)
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.797558 °	37.797558 °
				-121.360815 °	-121.360815 °
DWR ID	DWR_RD2062_02_s _ 2012_18				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Multiple large burrows, appears to be active.					

Photo 2 of 3 : mkhashch_s_20140428_00643.jpg



View of multiple burrow holes; the previously large burrow hole was not found at the time, but rodent activity is still present. 05/17/2012

LM Start	2.10	Rating **	M	Issue No.	18 (cont)
LM End	2.10	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : mkhashch_s_20140428_00644.jpg



View of active burrows on landside slope.

LM Start	2.19	Rating **	M	Issue No.	19
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.798304 °	37.798304 °
				-121.362138 °	-121.362138 °
DWR ID	DWR_RD2062_02_s _ 2012_19				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 1 : mkhashch_s_20140428_00645.jpg



View of animal burrows on landside levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.19	Rating **	C	Issue No.	20
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.798304 °	37.798304 °
				-121.362138 °	-121.362138 °
DWR ID	DWR_RD2062_02_s _ 2012_20				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Single active burrow on water side.					

No Photos

LM Start	2.63	Rating **	A	Issue No.	5
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.801935 °	37.801935 °
				-121.368416 °	-121.368416 °
DWR ID	DWR_RD2062_02_s _ 2014_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mkhashch_s_20140527_01048.jpg



View of acceptable vegetation control on the landside levee slope.

LM Start	2.89	Rating **	N	Issue No.	3
LM End	2.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.803827 °	37.803827 °
				-121.372424 °	-121.372424 °
DWR ID	DWR_RD2062_02_s _ 2012_3				
Action/Comments					
Tree stumps. Inspector Comments: Three small tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00631.jpg



Three small stumps on levee slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.94	Rating **	N	Issue No.	13
LM End	2.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804060 °	37.804060 °
				-121.373245 °	-121.373245 °
DWR ID	DWR_RD2062_02_s _ 2012_13				
Action/Comments					
Tree stumps.					
Inspector Comments: Four small oak stumps on levee slope.					

Photo 1 of 1 : mkhashch_s_20140428_00639.jpg



View of tree stumps on waterside slope. 05/17/2012

LM Start	3.03	Rating **	N	Issue No.	14
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804452 °	37.804452 °
				-121.374903 °	-121.374903 °
DWR ID	DWR_RD2062_02_s _ 2012_14				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00640.jpg



View of the tree stump in the middle of the photo.

LM Start	3.07	Rating **	N	Issue No.	15
LM End	3.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.804481 °	37.804481 °
				-121.375510 °	-121.375510 °
DWR ID	DWR_RD2062_02_s _ 2012_15				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140527_01049.jpg



View of the tree stumps on the waterside levee slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	3.27	Rating **	M	Issue No.	1
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.804604 °	37.804604 °
				-121.379454 °	-121.379454 °
DWR ID	DWR_RD2062_02_s _ 2014_1				
Action/Comments					

Inspector Comments: 08/28/2013: No significant change observed.
07/26/2012: Site was visited on 07/26/2012. No significant changes observed.
09/02/2011: No significant changes observed on site from last visit.
09/22/2010: No significant changes observed on site. The fencing located on the berm was removed. Levee slope and berm area 10 feet from the levee toe are bare of any vegetation. The 1- to 2 feet of near-vertical scarp on the levee toe is unchanged.
03/09/2010: As discussed with Michael Moncrief of MBK Engineer, the district will address the site this year.
7/27/2009: 1 to 2 feet of near-vertical scarp on the levee toe; damage was most likely caused by agricultural equipment during clearing or tilling operation; this is a maintenance-related issue. [2013 Site ID:RD2062U02RM2.14]

Photo 1 of 1 : mkhashch_s_20140428_00629.jpg



Close view of scarp.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	3.30	Rating **	M	Issue No.	23
LM End	3.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804770 °	37.804770 °
				-121.379679 °	-121.379679 °
DWR ID	DWR_RD2062_02_s _ 2014_23				
Action/Comments					
Inspector Comments: FS_ID:23304					
EP_NO: 11524					
Repair Type:					
Crossing Status:					
UCIP Comments: - waterside pipe immersed into channel water.					
most of the pipe on landside exposed and siphon breaker on waterside not protected.					
FIELD_STRUCT_DESC: 1 of 3: One of 2x24-inch pipes through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524)					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3374.jpg



LS view: walkway, three pumps on pump platform in drainage ditch, 350 ft. from the levee.

LM Start	3.30	Rating **	M	Issue No.	24
LM End	3.30	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804776 °	37.804776 °
				-121.379703 °	-121.379703 °
DWR ID	DWR_RD2062_02_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:23023					
EP_NO: 11524					
Repair Type:					
Crossing Status:					
UCIP Comments: - 18-inch pipe bifurcated near the pump and two gate valves installed.waterside pipe immersed into channel water.most of the pipe on landside exposed and siphon breaker on waterside not protected.					
FIELD_STRUCT_DESC: 2 of 3: 18-inch pipe through the levee 4.0 feet below the crown. 2x24-inch pipes through the levee 2.0 feet below the crown. Siphon breakers on waterward slope. Pump on steel platform in drainage ditch, 350 ft. from levee center off the the landward berm. (App. No. 11524)					
FS Date: 10/22/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	3.31	Rating **	M	Issue No.	25
LM End	3.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.804787 °	37.804787 °
				-121.379734 °	-121.379734 °
DWR ID	DWR_RD2062_02_s _ 2014_25				
Action/Comments					
Inspector Comments: FS_ID:23305					
EP_NO: 11524					
Repair Type:					
Crossing Status:					
UCIP Comments: - no associated pump or any other appurtenances found on landside.looks abandoned pipe. Needs proper abandonment.					
FIELD_STRUCT_DESC: 3 of 3: One of 2x24-inch pipe through the levee 2.0 feet below the crown. 18-inch pipe through the levee 4.0 feet below the crown. Siphon breakers on waterward slope. (App. No. 11524)					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3377.jpg



WS view: siphon breaker in steel pipe riser on levee slope.

LM Start	3.44	Rating **	M	Issue No.	2
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.805422 °	37.805422 °
				-121.383173 °	-121.383173 °
DWR ID	DWR_RD2062_02_s _ 2014_2				
Action/Comments					
Inspector Comments: 08/28/2013: No significant change observed. 07/31/2012: Site was visited on 07/26/2012. No significant change observed. 09/02/2011: No significant change observed. 09/22/2010: No significant changes observed. The foot-high near-vertical scarp still exists on levee toe. There is little to no vegetation on the slope. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be addressed this year. 07/27/2009: 1 to 2 feet of near-vertical scarp on levee toe; damage was most likely caused by farming equipment during clearing or tilling operation; this is a maintenance-related issue. [2013 Site ID:RD2062U02RM1.94]					

Photo 1 of 1 : mkhashch_s_20140428_00630.jpg



Front view of site.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	3.45	Rating **	M	Issue No.	41
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.805455 °	37.805455 °
				-121.382235 °	-121.382235 °
DWR ID	DWR_RD2062_02_s _ 2012_41				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : mkhashch_s_20140428_00646.jpg



View of bushy trees at levee toe obstructing visibility. 05/17/2012

LM Start	3.68	Rating **	N	Issue No.	9
LM End	3.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.806231 °	37.806231 °
				-121.386209 °	-121.386209 °
DWR ID	DWR_RD2062_02_s _ 2012_9				
Action/Comments					
Tree stumps.					
Inspector Comments: Small stump on slope.					

Photo 1 of 1 : mkhashch_s_20140428_00635.jpg



05/11/2011 Small stump in waterside slope.

LM Start	3.71	Rating **	M	Issue No.	8
LM End	3.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.806347 °	37.806347 °
				-121.386692 °	-121.386692 °
DWR ID	DWR_RD2062_02_s _ 2014_8				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : mkhashch_s_20140527_01050.jpg



View of the erosion from surface runoff on the waterside levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/22/2014 - 05/22/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Michael Moncrief MBK Engineers			
	Paul Gomes			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.00	Rating **	U	Issue No.	1
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809673 °	37.809673 °
				-121.390321 °	-121.390321 °
DWR ID	DWR_RD2062_03_s_2014_1				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: Site is at the upstream of a drainage ditch. [2013 Site ID:RD2062U03RM29.93]					

Photo 1 of 1 : mkhashch_s_20140428_00653.jpg



Looking from downstream.

LM Start	0.08	Rating **	N	Issue No.	3
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.809727 °	37.809727 °
				-121.389100 °	-121.389100 °
DWR ID	DWR_RD2062_03_f_2012_3				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00655.jpg



View of tree stumps on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.10	Rating **	U	Issue No.	2
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810052 °	37.810052 °
				-121.388847 °	-121.388847 °
DWR ID	DWR_RD2062_03_s _ 2014_2				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2013 Site ID:RD2062U03RM30.02]					

Photo 1 of 1 : mkhashch_s_20140428_00654.jpg



Front view of the site.

LM Start	0.17	Rating **	N	Issue No.	6
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.810194 °	37.810194 °
				-121.387602 °	-121.387602 °
DWR ID	DWR_RD2062_03_s _ 2012_6				
Action/Comments					
Tree stumps.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.18	Rating **	M	Issue No.	4
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810468 °	37.810468 °
				-121.387492 °	-121.387492 °
DWR ID	DWR_RD2062_03_s _ 2014_4				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The protection at the levee toe has been washed away. [2013 Site ID:RD2062U03RM30.1]					

Photo 1 of 1 : mkhashch_s_20140428_00656.jpg



Front view of the erosion.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.23	Rating **	U	Issue No.	5
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.810609 °	37.810609 °
				-121.385879 °	-121.385879 °
DWR ID	DWR_RD2062_03_s _ 2014_5				
Action/Comments					

Photo 1 of 1 : mkhashch_s_20140428_00657.jpg



Inspector Comments: 08/13/2013: A new pocket erosion at the upper levee slope has been found directly above a large tree. The erosion might have been caused by internal pipe leakage or surface runoff. 08/07/2012: The site has been visited by boat survey. No significant change observed. 08/23/2011: No significant changes observed on site. Dense vegetation is visible along the water line. 09/07/2010: No significant changes observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year. 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of site, per CLRO CES Evaluation 2008 Report; previously rated "M". 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2013 Site ID:RD2062U03RM30.19]

Close view of the pocket erosion.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.35	Rating **	M	Issue No.	8
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.811281 °	37.811281 °
				-121.384461 °	-121.384461 °
DWR ID	DWR_RD2062_03_s _ 2014_8				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The site is right at the downstream of a river bend. [2013 Site ID:RD2062U03RM30.27]					

Photo 1 of 1 : mkhashch_s_20140428_00659.jpg



Upstream view of the erosion.

LM Start	0.52	Rating **	M	Issue No.	24
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.812575 °	37.812575 °
				-121.382798 °	-121.382798 °
DWR ID	DWR_RD2062_03_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:23306					
EP_NO: 2029					
Repair Type:					
Crossing Status:					
UCIP Comments: - pits and holes on overflow pipe on waterside. underpinning at pump support.slope erosion on both sides of the levee2-inch electric conduit on waterside and power pole on landside.					
FIELD_STRUCT_DESC: 16-inch pipe through the levee 8 feet below the crown, siphon breaker on the landward slope. Pump house on the waterward slope. Distribution box on the landside. (App. No. 2029)					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3382.jpg



WS view: pump house on levee slope and soil erosion on levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.56	Rating **	M	Issue No.	9
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.813070 °	37.813070 °
				-121.383100 °	-121.383100 °
DWR ID	DWR_RD2062_03_s _ 2014_9				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed. 08/23/2011: No significant changes observed on site. 09/07/2010: No significant changes observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO Report. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year. 09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U". 11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2013 Site ID:RD2062U03RM30.43]					

Photo 1 of 1 : mkhashch_s_20140428_00660.jpg



Close view of the site.

LM Start	0.61	Rating **	N	Issue No.	10
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813570 °	37.813570 °
				-121.382094 °	-121.382094 °
DWR ID	DWR_RD2062_03_s _ 2012_10				
Action/Comments					
Tree stumps. Inspector Comments: Stump in slope.					

Photo 1 of 1 : mkhashch_s_20140428_00661.jpg



05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	0.65	Rating **	N	Issue No.	12
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813894 °	37.813894 °
				-121.381680 °	-121.381680 °
DWR ID	DWR_RD2062_03_s _ 2012_12				
Action/Comments					
Tree stumps. Inspector Comments: 2 stumps on waterside slope.					

Photo 1 of 1 : mkhashch_s_20140527_01051.jpg



View of the tree stumps on the waterside levee slope.

LM Start	0.82	Rating **	M	Issue No.	11
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.816315 °	37.816315 °
				-121.381587 °	-121.381587 °
DWR ID	DWR_RD2062_03_s _ 2012_11				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Cracking developing along the waterside levee hinge.					

Photo 1 of 2 : mkhashch_s_20140428_00662.jpg



View of slope erosion from foot traffic.

LM Start	0.82	Rating **	M	Issue No.	11 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : mkhashch_s_20140428_00663.jpg



View of cracking at waterside levee hinge.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.20	Rating **	U	Issue No.	13
LM End	1.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.819290 °	37.819290 °
				-121.378880 °	-121.378880 °
DWR ID	DWR_RD2062_03_s _ 2014_13				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed.					

Photo 1 of 1 : mkhashch_s_20140428_00664.jpg



Front view of the site. Existing scalloped erosion is immediately downstream of rip rap section.

LM Start	1.37	Rating **	A/W	Issue No.	18
LM End	1.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820885 °	37.820885 °
				-121.376986 °	-121.376986 °
DWR ID	DWR_RD2062_03_s _ 2012_18				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush blocks visibility.					

Photo 1 of 1 : mkhashch_s_20140428_00666.jpg



05/11/2011 Elderberry bush on water side slope.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.42	Rating **	U	Issue No.	20
LM End	1.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.821380 °	37.821380 °
				-121.376900 °	-121.376900 °
DWR ID	DWR_RD2062_03_s _ 2014_20				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant changes observed on site. 09/07/2010: No significant changes observed on site. There is a small-to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010. 09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3, LM1.45; previously rated "M". 11/05/2008: Portion of rip rap collapsing. 09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree. [2013 Site ID:RD2062U03RM31.28]					

Photo 1 of 1 : mkhashch_s_20140428_00668.jpg



Front view of the site.

LM Start	1.52	Rating **	N	Issue No.	14
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.821388 °	37.821388 °
				-121.374947 °	-121.374947 °
DWR ID	DWR_RD2062_03_s _ 2012_14				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	1.67	Rating **	N	Issue No.	15
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820890 °	37.820890 °
				-121.372227 °	-121.372227 °
DWR ID	DWR_RD2062_03_s _ 2012_15				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : mkhashch_s_20140428_00665.jpg



View of the tree stump on the waterside levee slope.

LM Start	1.78	Rating **	N	Issue No.	16
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820902 °	37.820902 °
				-121.370565 °	-121.370565 °
DWR ID	DWR_RD2062_03_s _ 2012_16				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.15	Rating **	A/W	Issue No.	19
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818645 °	37.818645 °
				-121.364894 °	-121.364894 °
DWR ID	DWR_RD2062_03_s _ 2012_19				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake.					

Photo 1 of 1 : mkhashch_s_20140428_00667.jpg



View of the pump house on the waterside levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.81	Rating **	M	Issue No.	27
LM End	2.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354334 °	-121.354334 °
DWR ID	DWR_RD2062_03_s_2014_27				
Action/Comments					

Action/Comments

Inspector Comments: FS_ID:23312

EP_NO: 2505

Repair Type:

Crossing Status:

UCIP Comments: - pumphouse roof missing.siphon breaker buried by dirt in CMP riser.2.25 inch electric conduit and power pole on landside.

FIELD_STRUCT_DESC: 1 of 2: 14-inch and 16-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. Timber bulkhead and slab on the waterward slope. Timber bulkhead and slab on the waterward slope. Installed by the United States Army Corps of Engineers, 1963. (App. No. 2505)

FS Date: 10/22/2013

Photo 1 of 1 : UCIP_3394.jpg



WS view: wooden walkway to pumphouse, pumphouse on wooden pile structure in the stream.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.81	Rating **	M	Issue No.	29
LM End	2.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816362 °	37.816362 °
				-121.354339 °	-121.354339 °
DWR ID	DWR_RD2062_03_s_2014_29				
Action/Comments					
Inspector Comments: FS_ID:23311					
EP_NO: 2505					
Repair Type:					
Crossing Status:					
UCIP Comments: - pumphouse roof missing.siphon breaker buried by dirt in CMP riser2.25 inch electric conduit and power pole on landside.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch and 14-inch pipe through the levee 6.5 feet below the crown, pump in pump house on pile structure in stream. Timber walkway to the pump. Siphon breakers in CM risers on the landward slope. Concrete distribution box at the toe of the landward slope. (App. No. 2505)					
FS Date: 10/22/2013					

No Photos

LM Start	2.83	Rating **	N	Issue No.	22
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816341 °	37.816341 °
				-121.354008 °	-121.354008 °
DWR ID	DWR_RD2062_03_s_2012_22				
Action/Comments					
Tree stumps.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	2.90	Rating **	N	Issue No.	23
LM End	2.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.816330 °	37.816330 °
				-121.352775 °	-121.352775 °
DWR ID	DWR_RD2062_03_s _ 2012_23				
Action/Comments					
Tree stumps.					

No Photos

LM Start	3.07	Rating **	N	Issue No.	25
LM End	3.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817791 °	37.817791 °
				-121.350088 °	-121.350088 °
DWR ID	DWR_RD2062_03_s _ 2012_25				
Action/Comments					
Tree stumps.					

No Photos

LM Start	3.14	Rating **	N	Issue No.	26
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818532 °	37.818532 °
				-121.349510 °	-121.349510 °
DWR ID	DWR_RD2062_03_s _ 2012_26				
Action/Comments					
Tree stumps.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	3.28	Rating **	M	Issue No.	21
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.820166 °	37.820166 °
				-121.348077 °	-121.348077 °
DWR ID	DWR_RD2062_03_s _ 2014_21				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: LMA is actively controlling rodent population and is scheduling to backfill the holes prior to fall inspection.					

Photo 1 of 1 : mkhashch_s_20140527_01052.jpg



View of the rodent holes on the waterside levee slope.

LM Start	3.44	Rating **	N	Issue No.	28
LM End	3.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.819172 °	37.819172 °
				-121.345760 °	-121.345760 °
DWR ID	DWR_RD2062_03_s _ 2012_28				
Action/Comments					
Tree stumps.					

No Photos

LM Start	3.80	Rating **	M	Issue No.	53
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817160 °	37.817160 °
				-121.340933 °	-121.340933 °
DWR ID	DWR_RD2062_03_s _ 2012_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Beaver damaged a tree; remove from slope.					

Photo 1 of 1 : mkhashch_s_20140428_00674.jpg



View of damaged tree by beaver on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	4.18	Rating **	M	Issue No.	32
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.820688 °	37.820688 °
				-121.338483 °	-121.338483 °
DWR ID	DWR_RD2062_03_s_2014_32				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : mkhashch_s_20140527_01053.jpg



View of the large rodent hole on the waterside levee slope.

LM Start	4.20	Rating **	N	Issue No.	33
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.820407 °	37.820407 °
				-121.338122 °	-121.338122 °
DWR ID	DWR_RD2062_03_s_2012_33				
Action/Comments					
Tree stumps.					

No Photos

LM Start	4.51	Rating **	M	Issue No.	17
LM End	4.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818027 °	37.818027 °
				-121.333612 °	-121.333612 °
DWR ID	DWR_RD2062_03_f_2012_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	4.82	Rating **	N	Issue No.	7
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.813986 °	37.813986 °
				-121.335821 °	-121.335821 °
DWR ID	DWR_RD2062_03_s _ 2012_7				
Action/Comments					
Tree stumps.					
Inspector Comments: 14" stump on landside slope.					

Photo 1 of 1 : mkhashch_s_20140428_00658.jpg



10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

LM Start	4.83	Rating **	M	Issue No.	43
LM End	4.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.812791 °	37.812791 °
				-121.336074 °	-121.336074 °
DWR ID	DWR_RD2062_03_s _ 2012_43				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : mkhashch_s_20140428_00671.jpg



Animal burrow on levee slope.

LM Start	4.83	Rating **	M	Issue No.	43 (cont)
LM End	4.83	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : mkhashch_s_20140428_00672.jpg



Animal burrows on levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	4.95	Rating **	M	Issue No.	35
LM End	4.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.812225 °	37.812225 °
				-121.336112 °	-121.336112 °
DWR ID	DWR_RD2062_03_s _ 2014_35				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : mkhashch_s_20140527_01054.jpg



View of a 2-3 feet vertical cut at the landside levee toe.

LM Start	5.45	Rating **	M	Issue No.	30
LM End	5.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.807305 °	37.807305 °
				-121.331290 °	-121.331290 °
DWR ID	DWR_RD2062_03_s _ 2014_30				
Action/Comments					
Inspector Comments: FS_ID:23142					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: - siphon breakers not protected flow meter and gage station on waterside pump house on wooden pile structure.					
Walkway to the pumphouse.					
FIELD_STRUCT_DESC: 1 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Siphon breakers on the landward slope. Concrete distribution box on landside berm.					
FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_3354.jpg



WS view: steel walkway to pump house in the stream.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	05/22/2014 05/22/2014	Maksim Khashchuk

LM Start	5.45	Rating **	M	Issue No.	31
LM End	5.45	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.807305 °	37.807305 °	
			-121.331276 °	-121.331276 °	

No Photos

DWR ID	DWR_RD2062_03_s _ 2014_31
Action/Comments	
Inspector Comments: FS_ID:23140	
EP_NO: N/A	
Repair Type:	
Crossing Status:	
UCIP Comments: - siphon breakers not protected flow meter and gage station on waterside pump house on wooden pile structure. Walkway to the pumphouse.	
FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee 4.0 feet below the crown. Pump in the pump house on pile structure in the stream. Walkway to the pumphouse. Siphon breakers on the landward slope. Concrete distribution box on landside berm.	
FS Date: 10/22/2013	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement